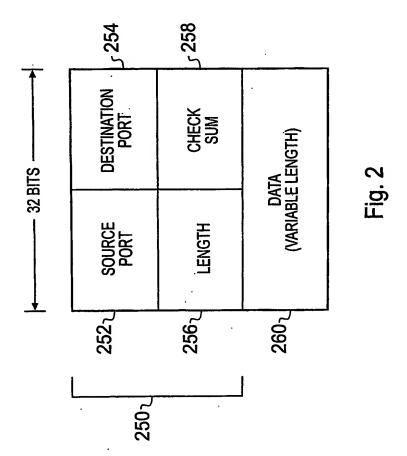
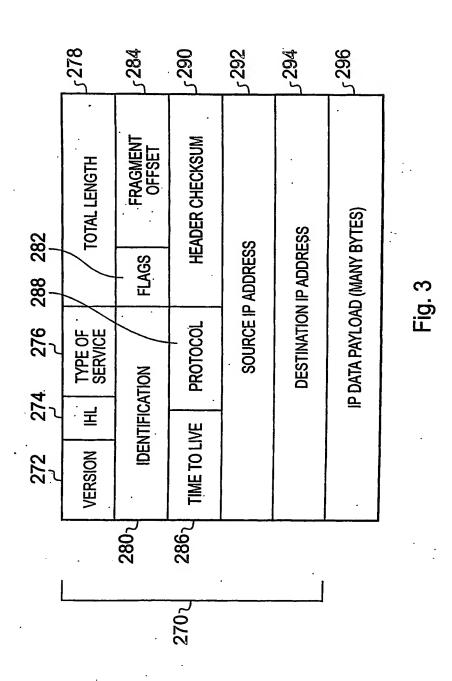


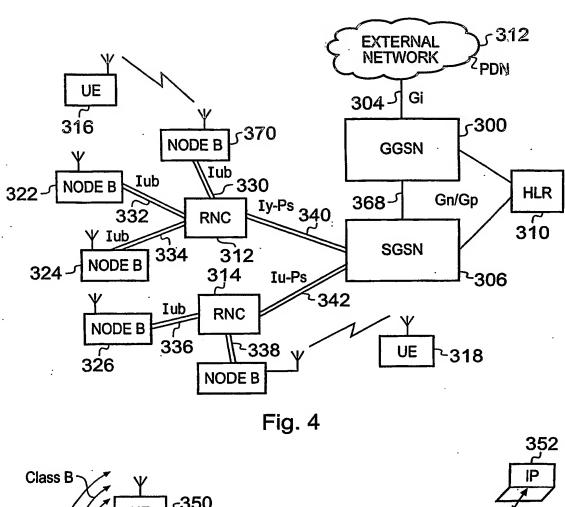
Fig. 1

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Class B

UE

SGSN

IP

PDN

IUB

RNC

1 RAB

SGSN

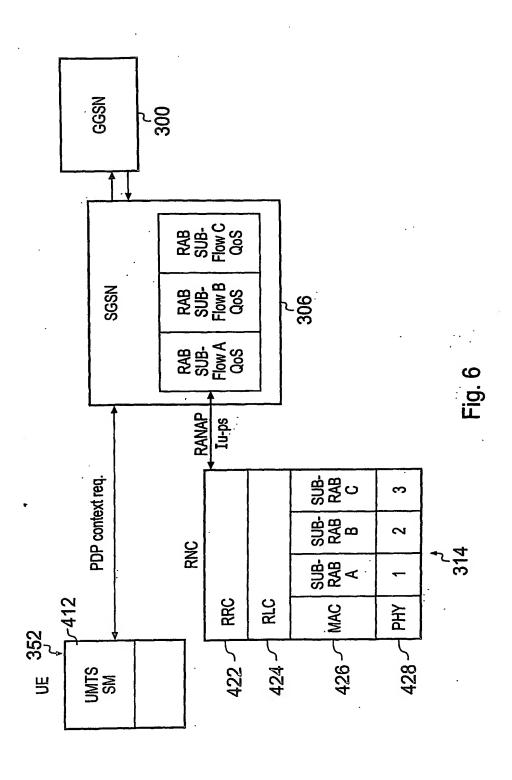
314

306

300

Fig. 5

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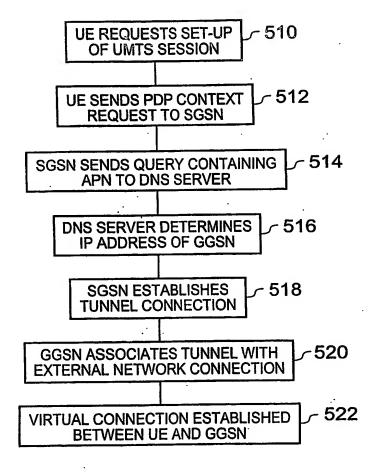


Fig. 7

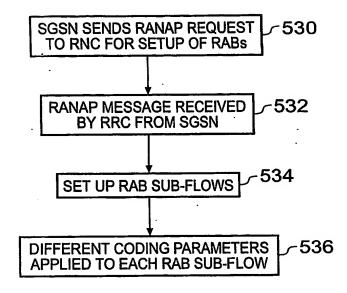


Fig. 8

·			
RAB service attribute	RAB service attribute value	value	Comments
Traffic Class	Conversational		
RAB Asymmetry Indicator	Symmetric, bidirectional	lal	Symmetric RABs are used for uplink and downlink
Maximum bit rate	12,65 kbit/s in configurations 0 and 1 15,85 kbit/s in configurations 2 and 3 23,85 kbit/s in configurations 4 and 5	rations 0 and 1 rations 2 and 3 rations 4 and 5	This value depends on the highest mode rate in the RFCS (note 2)
Guaranteed bit rate	6,60 kbit/s		One of the values chosen, depending on the lowest rate controllable SDU format (note 2)
Delivery Order	Yes		(note 1)
Maximum SDU size	253 in configurations 0 and 1 317 in configurations 2 and 3 477 in configurations 4 and 5	0 and 1 2 and 3 4 and 5	Maximum size of payload field in lu UP, according to the highest mode rate in the RFCS (note 2)
Traffic Handling Priority	Not applicable		Parameter not applicable for the conversational traffic class (note 1)
Source statistics descriptor	Speech		(note 1)
SDU Parameters	RAB subflow 1 (Class A bits)	RAB subflow 2 (Class B bits)	The number of SDU, their number of RAB subflow is subject to operator tuning (note 3)
		,	, (

Fig. 9 (continued on page 9/17)

ſ	1		_				
	(note 3)	(note 3 - applicable for every subflow)	Class A bits are delivered with error indication; Class B bits are delivered without any error indication	(note 4)			These parameters apply to all UMTS speech codec types. The guaranteed bit rate depends on the periodicity and the lowest rate controllable SDU size. All UMTS AMR-WB configurations as defined in TS 26.103 contain the 6,60 kbps codec mode as lowest and therefore "guaranteed bit rate". The "maximum bit rate" and the "maximum SDU size" depend on the selected UMTS AMR-WB configuration. These parameters are subject to operator tuning. SDU format information has to be specified for each AMR-WBcore frame type (i.e. with speech bits and comfort noise bits) included in the RFCS as defined in [2]. The subflow SDU size corresponding to an AMR-WBcore frame type indicates the number of bits in the class A, class B fields as specified in Table 2 (see Fig.10)
	4	10 ⁻³			(note 5)	-	hese parameters apply to all UMTS speech codec types. The guaranteed bit rate depends on the periodicity and the lowest runts. AMR-WB configurations as defined in TS 26.103 contain thowest and therefore "guaranteed bit rate". The "maximum bit rate" depend on the selected UMTS. AMR-WB configuration. These parameters are subject to operator tuning. SDU format information has to be specified for each AMR-WBcore bits and comfort noise bits) included in the RFCS as defined in [2]. The subflow SDU size corresponding to an AMR-WBcore frame typ in the class A, class B fields as specified in Table 2 (see Fig. 10).
•	7 * 10 3	10-6	Yes		(note 5) (r		These parameters apply to all UMTS speech codec types. The guaranteed bit rate depends on the periodicity and the lowe UMTS_AMR-WB configurations as defined in TS 26.103 contair lowest and therefore "guaranteed bit rate". The "maximum bit radepend on the selected UMTS_AMR-WB configuration. These parameters are subject to operator tuning. SDU format information has to be specified for each AMR-WBc bits and comfort noise bits) included in the RFCS as defined in The subflow SDU size corresponding to an AMR-WBcore frame in the class A, class B fields as specified in Table 2 (see Fig.10)
	SDU error ratio	Residual bit error ratio	Delivery of erroneous SDUs	SDU format information 1-5	sub-flow SDU size 1-5		NOTE 1: These parameters NOTE 2: The guaranteed b UMTS_AMR-WB lowest and thereft depend on the se NOTE 3: These parameters NOTE 4: SDU format inform bits and comfort r he class A, clain the class A, clain the class A, clain was not the class A, clain the class A, clain the class A, clain was not the class A, clain the class A, clain was not the claim was not th

Fig. 9 (continued from page 8/17)

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Frame Type Index	No of Class A Bits per frame	No of Class B Bits per frame	No of Class C Bits per frame	Total No. of Bits per frame
	64	113	0.	198
	72	. 181	0	274
	72	213	0	306
	7.5	245	. 0	338
	72	293	· 0	386

Fig. 10

	Source rate		AMR-WB SID	AMR-WB 6.6 kbps	AMR-WB 8.85 kbps	AMR-WB 12.65 kbps		AMR-WB SID	AMR-WB 6.6 kbps	AMR-WB 8.85 ldps	AMR-WB 12.65 kbps	AMR-WB 15.85 kbps		AMR-WB SID	AMR-WB 6.6 kbps	AMR-WB 8.85 kbps	AMR-WB 12.65 kbps	AMR-WR 23 85 kbps
Total number	of pits per ryb sub-flow combination (Mandatory)		40	132	177	253		40	132	177	253	317		40	132	171	253	7.17
RAB sub-flows	RAB sub- flow 2 (Optioinal)	Example 1	0	. 78	113	181	Example 2	0	78	113	181	244	Example 3	0	78	113	181	707
RAB SI	RAB sub- flow 1 (Optioinal)		40	54	64	. 72		40	54	64	72	73		40	54	64	72	1/2
UMTS_AMR-WB	RFCI		-	2	3	4			2	က	4	သ		-	2	3	4	ıc

Fig. 11

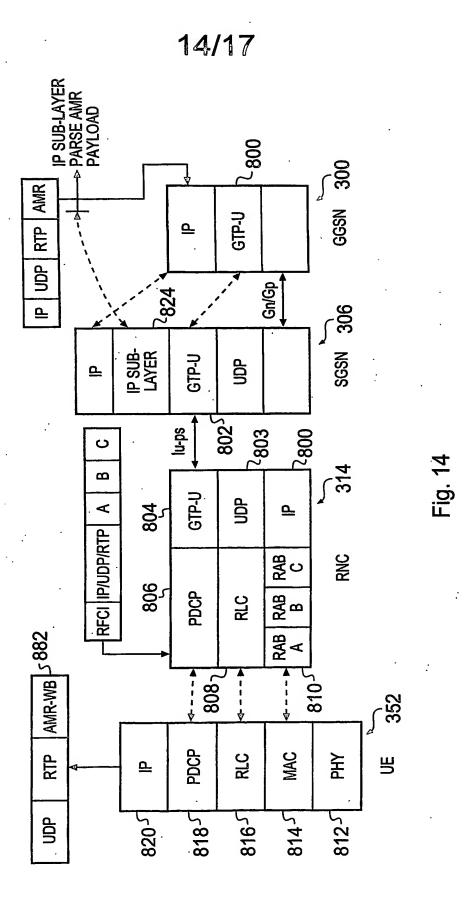
Table 3

	Octet 1	Octet 2	Octet 3	Octet 4	Octet 5	Octet 6	Octet 7	Octet 8	Octet 9	Octet 10	Octet 11	Octet 12	Octet 13
. 2 1			Reliability class	Precedence class		Delivery of erroneous SDU				SDU error ratio	Traffic Handling priority		
4	vice IEI	of service IE		0 spare	Mean throughput		OU size	e for uplink	for downlink	nas		ite for uplink	e for downlink
ည	Quality of service IEI	Length of quality of service IE	Ďelay class			Delivery order	Maximum SDU size	Maximum bit rate for uplink	Maximum bit rate for downlink		Transfer delay	Guaranteed bit rate for uplink	Guaranteed bit rate for downlink
છ	1	1		Peak throughput	-					Residual BER	Tran	_	ြ
7			0 0 spare	P. throu	0 0 0 spare	Traffic Class				Resid			·
&			ds 0									•	

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	Octet 1	Octet 2	Octet 3	Octet 4	Octet 5	Octet 6	Octet 7	Octet 8	Octet 9	Octet 10	Octet 1	Octet 12	Octet 13 Octet 14	Octet 22	Octet 23
				÷		neous					Traffic Handling priority				
2	-		Reliability class	Precedence class		Delivery of erroneous SDU				SDU error ratio	Traffic pri				
က		出		J	Mean throughput	Del		nk	llink	nas		iink iink	mlink		
4	Quality of service IEI	Length of quality of service IE		0 spare		Delivery order	Maximum SDU size	Maximum bit rate for uplink	Maximum bit rate for downlink			Guaranteed bit rate for uplink	Guaranteed bit rate for downlink	QoS optional field 1	QoS optional field 2
5	Quality of	igth of quali	Delay class			Deliver	Maximum	aximum bit	ximum bit ra		Transfer delay	aranteed b	ranteed bit	QoS opti	QoS opti
9		Ler		Peak throughput	សី ដ			N	Ma	Residual BER	Trans	හි	Gua		·
7			0 0 spare	P.	Optional QoS Indication Bits	Traffic Class				Resid				·	
8			ds 0								-				

Fig. 13



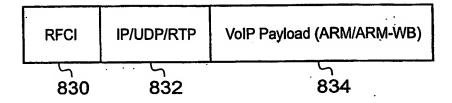


Fig. 15

